

## ABSTRACT

A graft fixation device, system and method are disclosed for reconstruction  
5 or replacement of a ligament or tendon preferably wherein a soft tissue graft or a bone-  
tendon-bone graft is received and implanted in a bone tunnel. The graft fixation system  
includes a fixation device comprising a threaded body which is rotatably connected to a  
graft interface member. One embodiment of the implant/graft interface member includes an  
enclosed loop for holding a soft tissue graft. Another embodiment of the interface member  
10 includes a bone cage comprising a cage bottom and removable cage top to hold a bone  
block at one end of a bone-tendon-bone (BTB) graft. An additional embodiment of the  
interface member includes a one-piece bone cage which may be crimped or stapled to a  
bone block. The fixation device holds a graft in centered axial alignment in a bone tunnel.  
The body portion of the fixation device may be turned without imparting substantial twist to  
15 a graft attached to the device, due to the rotatable coupling between the threaded body and  
the interface member. The fixation device may be installed using a driver tool that has a  
shaft and an outer sleeve, wherein the driver may be used to twist the fixation device and  
independently exert a pushing or pulling force thereto. The graft fixation method may be  
used to install a fixation device by pulling or pushing it into a prepared bone tunnel while  
20 minimizing the possibility of abrasion or other damage to a graft attached to the fixation  
device.

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